

SYSTEM AND METHOD TO ESTABLISH AN ADJUSTABLE ON-CHIP IMPEDANCE
ABSTRACT OF THE DISCLOSURE

A method to establish an adjustable on-chip impedance within
5 a predetermined range that involves establishing a reference
current for the adjustable on-chip impedance and applying this
reference current to the adjustable on-chip impedance. A voltage
produced by applying the reference current to the adjustable on-
chip impedance is sensed and compared with the comparator or
10 other similar processor to a reference voltage. This comparison
allows the adjustable on-chip impedance to be tuned when the
comparison of the sense voltage and the reference voltage is
unfavorable. Tuning the impedance results in an impedance value
within a predetermined range that accounts for variances of both
15 the reference current and reference voltage.